

ASSIGNMENT 7

Textbook Assignment: "Suspension, Arming, and Releasing Equipment," chapter 10, pages 10-1 through 10-40.

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| <p>7-1. Bomb racks are used for which of the following purposes?</p> <ol style="list-style-type: none">1. To carry stores only2. To release stores only3. To arm stores only4. To carry, release, and arm stores <p>7-2. An Aero 65A (series) bomb rack is used on what type of aircraft?</p> <ol style="list-style-type: none">1. A-72. F-43. F/A-184. P-3 <p>7-3. An Aero 65A (series) bomb rack uses which of the following types of electrical release units?</p> <ol style="list-style-type: none">1. Aero 7B only2. Aero 7B-1 only3. LEMA only4. Aero 7B, Aero 7B-1, and LEMA <p>7-4. An Aero 65A (series) bomb rack electrical cable assembly consists of what total number of leads?</p> <ol style="list-style-type: none">1. Five2. Two3. Three4. Four <p>7-5. Before a weapon is loaded on an Aero 65A (series) bomb rack, the bomb rack linkage assembly should be in which of the following conditions?</p> <ol style="list-style-type: none">1. Cocked and released2. Cocked only3. Latched only4. Cocked and latched <p>7-6. A MAU-38/A bomb rack can be mounted on the bomb bay of what type of aircraft?</p> <ol style="list-style-type: none">1. A-72. S-33. P-34. F-14 <p>7-7. A BRU-14/A bomb rack is a major modification of which of the following bomb racks?</p> <ol style="list-style-type: none">1. Aero 65A2. Aero 65A-13. BRU-12/A4. MAU-38/A | <p>7-8. The power required to operate the secondary release assembly of a BRU-14/A bomb rack is provided from what source?</p> <ol style="list-style-type: none">1. A dc generator2. A manual-release cable3. An electromechanical device4. A cartridge-actuated device <p>7-9. Aero 7A-5 and Aero 7B-4 bomb ejector racks are mounted externally on what type of aircraft?</p> <ol style="list-style-type: none">1. EA-62. A-73. F-144. F/A-18 <p>7-10. An Aero 7B-4 bomb ejector rack is mounted at what station on an EA-6 type of aircraft?</p> <ol style="list-style-type: none">1. The inboard wing station2. The centerline station3. The outboard wing station4. The bomb bay station <p>7-11. When the suspension hooks on an Aero 7A-5 bomb ejector rack are NOT properly engaged by the sear, what indication should you see in the inspection window?</p> <ol style="list-style-type: none">1. A horizontal black line2. A blue screen3. A blank screen4. A vertical red line <p>7-12. When the 14-inch suspension hooks are used, an Aero 7A-5 bomb ejector rack will support what maximum weight ?</p> <ol style="list-style-type: none">1. 1,500 lb2. 2,000 lb3. 3,500 lb4. 4,000 lb <p>7-13. When the 30-inch suspension hooks are used, an Aero 7A-5 bomb ejector rack will support what maximum weight?</p> <ol style="list-style-type: none">1. 1,500 lb2. 2,000 lb3. 3,500 lb4. 4,000 lb |
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- 7-14. Aero 7A-5 and Aero 7B-4 bomb ejector racks should be removed from the aircraft and routed to a depot-level maintenance activity at least how often?
1. Every 42 months
 2. Every 36 months
 3. Every 18 months
 4. Every 12 months
- 7-15. Ejector mechanisms should be removed from Aero 7A-5 and Aero 7B-4 bomb ejector racks for cleaning at which of the following times?
1. After every five shots only
 2. At the end of the firing day only
 3. After every five shots or at the end of the firing day
 4. After every shot or at the end of the firing day, whichever occurs first
- 7-16. After an Aero 7A-5 or Aero 7B-4 bomb ejector rack breech cap is inspected, a light coat of what material should be applied to the ground sleeve assembly?
1. P-D-680, Type 2
 2. VV-L-800
 3. MIL-S-8600
 4. MIL-C-43616, Class 2
- 7-17. A BRU-10A/B bomb ejector rack can be mounted on which of the following types of aircraft?
1. A-7 only
 2. F-14 only
 3. A-7 and F-14
 4. A-6 and F/A-18
- 7-18. A BRU-11A/A bomb ejector rack is used on what type of aircraft?
1. A-7
 2. F-4
 3. F-14
 4. S-3
- 7-19. A BRU-10/A/B bomb ejector rack will accommodate weapons and stores weighing up to what maximum number of pounds?
1. 4,000 lb
 2. 3,500 lb
 3. 2,500 lb
 4. 2,000 lb
- 7-20. When the suspension hook on a BRU-10A/AB bomb ejector rack is properly locked, what latch indication is visible through the latch inspection hole?
1. Silver
 2. Blue
 3. Yellow
 4. Red
- 7-21. When the suspension hook on a BRU-10A/A bomb ejector rack is NOT properly locked, what latch indication is visible through the latch inspection hole?
1. Blue and red
 2. Blue and silver
 3. Red and silver
 4. Red and gold
- 7-22. A BRU-10A/B ejector assembly can be inserted into what total number of different positions in a bomb rack?
1. One
 2. Two
 3. Three
 4. Four
- 7-23. What type of release assembly is used as an emergency release method for a BRU-10A/B bomb ejector rack?
1. An auxiliary assembly
 2. An ejector assembly
 3. An emergency assembly
 4. A manual assembly
- 7-24. A BRU-32/A bomb ejector rack is used on which of the following types of aircraft?
1. A-7
 2. F-4
 3. F-14
 4. F/A-18
- 7-25. A BRU-33/A bomb ejector rack will accommodate weapons/stores up to what maximum weight?
1. 1,000 lb
 2. 2,000 lb
 3. 3,000 lb
 4. 4,000 lb
- 7-26. A IMER or ITER is classified as what type of rack?
1. Parent
 2. Pylon
 3. Accessory
 4. Permanent

- 7-27. An IMER has what total number of ejector racks?
1. Six
 2. Two
 3. Three
 4. Four
- 7-28. What assembly forms the main support for an IMER or ITER?
1. Ejector
 2. Adapter
 3. Housing
 4. Wiring support
- 7-29. To mechanically safe an IMER or ITER ejector unit assembly, which of the following components should be used?
1. A safety pin
 2. A safety-stop lever
 3. A metal band
 4. A cotter pin
- 7-30. What component of an IMER or ITER ejector unit assembly actuates the store sensing switch?
1. The forward suspension hook
 2. The electrical safety pin
 3. The aft suspension hook
 4. The safety-stop lever
- 7-31. After suspension hooks are locked on an IMER/ITER ejector unit assembly, they are prevented from opening until the cartridge is fired by which of the following components?
1. The sear link
 2. The link stops
 3. The hook release rod
 4. The hook toggle levers
- 7-32. When the gas-generating cartridge is fired in an IMER/ITER ejector unit assembly, which of the following movements unlocks the suspension hooks?
1. The aft movement of the breech
 2. The aft movement of the hook release rod
 3. The downward movement of the cranks
 4. Each of the above
- 7-33. During ejection, the weight of the store, plus gas pressure, forces the suspension hooks of an IMER/ITER ejector unit assembly to open. Which of the following components hold(s) the suspension hooks in the open position?
1. The hook toggle lever
 2. The hook toggle spring only
 3. The coil spring only
 4. The hook toggle spring and the coil spring
- 7-34. Practice bomb adapters can be used in conjunction with an IMER/ITER ejector unit assembly unit for which of the following purposes?
1. To attach practice bombs
 2. To carry aircraft parachutes flares externally
 3. To carry marine location markers externally
 4. Each of the above
- 7-35. What maintenance level is responsible for maintaining both the hardware adapter kit and the practice bomb adapters used with an IMER/ITER?
1. Organizational
 2. Intermediate
 3. Depot
 4. Overhaul
- 7-36. What is the maximum weight capacity of a Mk 8 Mod 5 shackle?
1. 100 lb
 2. 500 lb
 3. 1,000 lb
 4. 1,500 lb
- 7-37. Which, if any, of the following lubricants should be used on a Mk 8 Mod 5 bomb shackle?
1. Silicone
 2. Light weapons oil
 3. General-purpose grease
 4. None of the above
- 7-38. The SUU-44 flare dispenser provides the capability for suspending and launching what total number of Mk 45 aircraft parachute flares?
1. Eight
 2. Two
 3. Six
 4. Four

- 7-39. The SUU-44 flare dispenser contains what total number of dispenser tubes?
1. Eight
 2. Two
 3. Six
 4. Four
- 7-40. When loading or unloading the SUU-44 flare dispenser, you should remove the breeches and breech caps for which of the following reasons?
1. To install cartridges
 2. To remove cartridges
 3. To prevent air-pressure buildup
 4. To permit the use of an installation tool
- 7-41. As parachute flares are ejected from the SUU-44 flare dispenser, what components pull the safety pins from the flare fuzes?
1. Lockwires
 2. Drogue trays
 3. Arming wires
 4. Safety pin lanyards
- 7-42. A single firing impulse from the SUU-25F/A dispenser can eject what minimum number of aircraft parachute flares?
1. One
 2. Two
 3. Eight
 4. Four
- 7-43. What is the maximum weight of the SUU-25F/A dispenser when it is loaded with eight aircraft parachute flares?
1. 260 lb
 2. 435 lb
 3. 490 lb
 4. 572 lb
- 7-44. A total of how many breeches are provided for the SUU-25F/A dispenser?
1. Six
 2. Two
 3. Eight
 4. Four
- 7-45. When the SUU-25F/A dispenser is fully loaded, it contains what maximum number of CCU-44 impulse cartridges?
1. Eight
 2. Two
 3. Six
 4. Four
- 7-46. When loading or unloading the SUU-25F/A dispenser, you should remove which of the following components?
1. The breech and the breech cap
 2. The downloading breech only
 3. The downloading breech cap only
 4. The downloading breech and the downloading breech cap
- 7-47. The stepper switch on the SUU-25F/A dispenser has what maximum number of settings?
1. 6
 2. 2
 3. 8
 4. 10
- 7-48. When the SUU-25F/A dispenser is in the locked position, which of the following dispenser components prevents loaded stores from being inadvertently ejected by g-forces during aircraft catapult launches?
1. The forward retaining locks only
 2. The aft retaining locks only
 3. The forward and aft retaining locks
 4. The forward and aft shear retainer pins
- 7-49. After the forward store is loaded into the dispenser tube of the SUU-25F/A dispenser, you should rotate the forward retainer lock to the locked position and secure it with what device?
1. A piece of safety wire
 2. A shear pin
 3. A cotter pin
 4. An arming wire
- 7-50. What component of the SUU-25F/A dispenser initiates the arming sequence of a store as the store is ejected from the tube?
1. The arming wire
 2. The arming mechanism
 3. The aft retaining lock
 4. The forward retaining lock
- 7-51. When munitions are loaded into the tubes of the SUU-25F/A dispenser, cross-shaped plastic spacers are installed between munitions for what purpose?
1. To provide a cushion
 2. To provide an expansion area
 3. To provide a gas seal
 4. To fill in excess tube space

- 7-52. When the pilot triggers the dispensing switch, 28 volts of dc is passed through an electrical cable from the aircraft to which of the following pins of the SUU-25F/A dispenser?
1. J1 or J2
 2. J3 or J4
 3. J5 or J6
 4. J7 or J8
- 7-53. During the ejection sequence of munitions from the SUU-25F/A dispenser, which of the following components cams the arming hook up to engage the arming cap?
1. The yellow sealing ring
 2. The green sealing ring
 3. The arming wire
 4. The cross-shaped plastic spacer
- 7-54. The AN/ALE-29A chaff dispenser is capable of cartridge ejecting which of the following load configurations?
1. Mk 46 only
 2. MJU-8/B only
 3. RR-144 only
 4. Mk 46, MJU-8/B, and RR-144
- 7-55. Impulse cartridges should be installed in the jacks of the printed circuit board of the AN/ALE-39A chaff dispenser set just before which of the following actions is performed?
1. The block is attached
 2. The aircraft is launched
 3. The payload unit is loaded
 4. The dispenser is loaded on the aircraft
- 7-56. Which of the following components of the AN/ALE-39A chaff dispensing set directs 28 volts of dc to the impulse cartridge in the dispenser assembly?
1. The programmer
 2. The safety switch
 3. The sequencer switch
 4. The sequence programmer
- 7-57. Which of the following equipment is designed to be externally mounted on aircraft IMER/ITER bomb ejector racks?
1. AN/ALE-29A
 2. AN/ALE-37A
 3. AN/ALE-39A
 4. AN/ASM-127
- 7-58. The AN/ALE countermeasures chaff dispensing set has what maximum payload capacity?
1. 80 rounds
 2. 120 rounds
 3. 277 rounds
 4. 375 rounds
- 7-59. When fully loaded, the AN/ALE-37A countermeasures chaff dispensing set weighs a total of how many pounds?
1. 120 lb
 2. 240 lb
 3. 277 lb
 4. 375 lb
- 7-60. The insertion of a lanyard pin is provided by which of the following components of the AN/ALE-37A countermeasures chaff dispensing set?
1. The nose cone
 2. The tail cone
 3. The module
 4. The housing
- 7-61. The AN/ALE-37A countermeasures chaff dispensing set has a total of how many chaff modules?
1. One
 2. Two
 3. Three
 4. Four
- 7-62. When fully loaded, the AN/ALE-37A countermeasures chaff dispensing set contains what maximum number of Mk 131 impulse cartridges?
1. 240
 2. 160
 3. 120
 4. 80
- 7-63. What component of the AN/ALE-37A countermeasures chaff dispensing set controls the burst rate?
1. The stepping switch
 2. The lanyard disconnect switch
 3. The intervalometer
 4. The pod control indicator
- 7-64. When properly installed, what component electrically safes the AN/ALE-37A countermeasures chaff dispensing set?
1. The safety pin
 2. The lanyard pin
 3. The electrical safety switch
 4. The flag assembly

7-65. The AN/ALE-37A countermeasures chaff dispensing set has what total number of firing combinations?

1. Six
2. Two
3. Eight
4. Four